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=> file reg
COST IN U.S. DOLLARS                                    SINCE FILE      TOTAL
                                                           ENTRY    SESSION
FULL ESTIMATED COST                                         0.21       0.21

FILE 'REGISTRY' ENTERED AT 16:17:55 ON 19 AUG 2003
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STRUCTURE FILE UPDATES:   18 AUG 2003  HIGHEST RN 569296-21-5
DICTIONARY FILE UPDATES:  18 AUG 2003  HIGHEST RN 569296-21-5

TSCA INFORMATION NOW CURRENT THROUGH JANUARY 6, 2003

  Please note that search-term pricing does apply when
  conducting SmartSELECT searches.

Crossover limits have been increased.  See HELP CROSSOVER for details.

Experimental and calculated property data are now available.  See HELP
PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=> s cwwegnkwwc/sqep
             0 CWWEGNKWWC/SQEP
        119016 SQL=10
L1           0 CWWEGNKWWC/SQEP
                 (CWWEGNKWWC/SQEP AND SQL=10)

=> s cwwegnkwwc/sqsp
L2           0 CWWEGNKWWC/SQSP

=> cyyegnkywc/sqep
CYYEGNKYWC IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=>  s cyyegnkywc/sqep
             0 CYYEGNKYWC/SQEP
        119016 SQL=10
L3           0 CYYEGNKYWC/SQEP
                 (CYYEGNKYWC/SQEP AND SQL=10)

=>  s cyyegnkywc/sqsp
L4           0 CYYEGNKYWC/SQSP

=> s ctlegnklt/sqep
             0 CTLEGNKLT/SQEP
         72586 SQL=9
L5           0 CTLEGNKLT/SQEP
                 (CTLEGNKLT/SQEP AND SQL=9)

=> s  c[wyfhivt][wyflmv]egnk[wflmv][wyfhivt]c/sqsfp
L6          51 C[WYFHIVT][WYFLMV]EGNK[WFLMV][WYFHIVT]C/SQSFP

=> file ca
```

WEST Search History

DATE: Tuesday, August 19, 2003

Set Name side by side	Query	Hit Count	Set Name result set
DB=USPT,PGPB,JPAB,EPAB,DWPI; PLUR=YES; OP=OR			
L3	L2 and cyclic adj4 hairpin	3	L3
L2	scaffold	13678	L2
DB=USPT; PLUR=YES; OP=OR			
L1	6500432.pn.	1	L1

END OF SEARCH HISTORY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	102.80	103.01

FILE 'CA' ENTERED AT 16:24:14 ON 19 AUG 2003
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FILE COVERS 1907 - 14 Aug 2003 VOL 139 ISS 8
FILE LAST UPDATED: 14 Aug 2003 (20030814/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

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=> s l6
L7          10 L6

=> d l71-10 ti au so py ab
'L999-998' IS NOT A VALID FORMAT FOR FILE 'CA'

The following are valid formats:

ABS --------- GI and AB
ALL --------- BIB, AB, IND, RE
APPS -------- AI, PRAI
BIB --------- AN, plus Bibliographic Data and PI table (default)
CAN --------- List of CA abstract numbers without answer numbers
CBIB -------- AN, plus Compressed Bibliographic Data
DALL -------- ALL, delimited (end of each field identified)
DMAX -------- MAX, delimited for post-processing
FAM --------- AN, PI and PRAI in table, plus Patent Family data
FBIB -------- AN, BIB, plus Patent FAM
IND --------- Indexing data
IPC --------- International Patent Classifications
MAX --------- ALL, plus Patent FAM, RE
PATS -------- PI, SO
SAM --------- CC, SX, TI, ST, IT
SCAN -------- CC, SX, TI, ST, IT (random display, no answer numbers;
              SCAN must be entered on the same line as the DISPLAY,
              e.g., D SCAN or DISPLAY SCAN)
STD --------- BIB, IPC, and NCL

IABS -------- ABS, indented with text labels
IALL -------- ALL, indented with text labels
IBIB -------- BIB, indented with text labels
IMAX -------- MAX, indented with text labels
ISTD -------- STD, indented with text labels

OBIB -------- AN, plus Bibliographic Data (original)
OIBIB ------- OBIB, indented with text labels
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SBIB -------- BIB, no citations
SIBIB ------- IBIB, no citations

HIT --------- Fields containing hit terms
HITIND ------ IC, ICA, ICI, NCL, CC and index field (ST and IT)
              containing hit terms
HITRN ------- HIT RN and its text modification
HITSTR ------ HIT RN, its text modification, its CA index name, and
              its structure diagram
HITSEQ ------ HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
FHITSTR ----- First HIT RN, its text modification, its CA index name, and
              its structure diagram
FHITSEQ ----- First HIT RN, its text modification, its CA index name, its
              structure diagram, plus NTE and SEQ fields
KWIC -------- Hit term plus 20 words on either side
OCC --------- Number of occurrence of hit term and field in which it occurs

To display a particular field or fields, enter the display field
codes.  For a list of the display field codes, enter HELP DFIELDS at
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TI,IND; TI,SO.  You may specify the format fields in any order and the
information will be displayed in the same order as the format
specification.

All of the formats (except for SAM, SCAN, HIT, HITIND, HITRN, HITSTR,
FHITSTR, HITSEQ, FHITSEQ, KWIC, and OCC) may be used with DISPLAY ACC
to view a specified Accession Number.
ENTER DISPLAY FORMAT (BIB):bib

L7   ANSWER 1 OF 10  CA  COPYRIGHT 2003 ACS on STN
AN   138:199732  CA
TI   A Drosophila full-length cDNA resource
AU   Stapleton, Mark; Carlson, Joe; Brokstein, Peter; Yu, Charles; Champe,
     Mark; George, Reed; Guarin, Hannibal; Kronmiller, Brent; Pacleb, Joanne;
     Park, Soo; Wan, Ken; Rubin, Gerald M.; Celniker, Susan E.
CS   Berkeley Drosophila Genome Project, Lawrence Berkeley National Lab.,
     Berkeley, CA, 94720, USA
SO   GenomeBiology (2002), 3(12), No pp. given
     CODEN: GNBLFW; ISSN: 1465-6914
     URL: http://genomebiology.com/content/pdf/gb-2002-3-12-research0080.pdf
PB   BioMed Central Ltd.
DT   Journal; (online computer file)
LA   English
RE.CNT  39    THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT


=> d his

     (FILE 'HOME' ENTERED AT 16:17:50 ON 19 AUG 2003)

     FILE 'REGISTRY' ENTERED AT 16:17:55 ON 19 AUG 2003
L1            0 S CWWEGNKWWC/SQEP
L2            0 S CWWEGNKWWC/SQSP
L3            0 S CYYEGNKYWC/SQEP
L4            0 S CYYEGNKYWC/SQSP
L5            0 S CTLEGNKLT/SQEP
L6           51 S  C[WYFHIVT][WYFLMV]EGNK[WFLMV][WYFHIVT]C/SQSFP

     FILE 'CA' ENTERED AT 16:24:14 ON 19 AUG 2003
L7           10 S L6

=> d l7 1-10 ti au so py ab
```

L7 ANSWER 1 OF 10 CA COPYRIGHT 2003 ACS on STN
TI A Drosophila full-length cDNA resource
AU Stapleton, Mark; Carlson, Joe; Brokstein, Peter; Yu, Charles; Champe, Mark; George, Reed; Guarin, Hannibal; Kronmiller, Brent; Pacleb, Joanne; Park, Soo; Wan, Ken; Rubin, Gerald M.; Celniker, Susan E.
SO GenomeBiology (2002), 3(12), No pp. given
CODEN: GNBLFW; ISSN: 1465-6914
URL: http://genomebiology.com/content/pdf/gb-2002-3-12-research0080.pdf
PY 2002
AB A collection of sequenced full-length cDNAs is an important resource both for functional genomics studies and for the detn. of the intron-exon structure of genes. Providing this resource to the Drosophila melanogaster research community has been a long-term goal of the Berkeley Drosophila Genome Project. The Drosophila Gene Collection (DGC) has been previously described , a set of putative full-length cDNAs that was produced by generating and analyzing >250,000 expressed sequence tags (ESTs) derived from a variety of tissues and developmental stages. High-quality full-insert sequence were generated for 8921 clones in the DGC. The sequences of these clones were compared to the annotated Release 3 genomic sequence, and >5300 cDNAs identified that contain a complete and accurate protein-coding sequence. This corresponds to at least one splice form for 40% of the predicted D. melanogaster genes. Potential new cases of RNA editing were also identified. Thus, comparison of cDNA sequences to a high-quality annotated genomic sequence is an effective approach to identifying and eliminating defective clones from a cDNA collection. Clones were eliminated either because they carry single nucleotide discrepancies, which most probably result from reverse transcriptase errors, or because they are truncated and contain only part of the protein-coding sequence. [This abstr. record is one of five records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

L7 ANSWER 2 OF 10 CA COPYRIGHT 2003 ACS on STN
TI Stability of Cyclic .beta.-Hairpins: Asymmetric Contributions from Side Chains of a Hydrogen-Bonded Cross-Strand Residue Pair
AU Russell, Stephen J.; Blandl, Tamas; Skelton, Nicholas J.; Cochran, Andrea G.
SO Journal of the American Chemical Society (2003), 125(2), 388-395
CODEN: JACSAT; ISSN: 0002-7863
PY 2003
AB Amino acid structural propensities measured in "host-guest" model studies are often used in protein structure prediction or to choose appropriate residues in de novo protein design. While this concept has proven useful for helical structures, it is more difficult to apply successfully to .beta.-sheets. We have developed a cyclic .beta.-hairpin scaffold as a host for measurement of individual residue contributions to hairpin structural stability. Previously, we have characterized substitutions in non-backbone-hydrogen-bonded strand sites; relative stability differences measured in the cyclic host are highly predictive of changes in folding free energy for linear .beta.-hairpin peptides. Here, we examine the hydrogen-bonded strand positions of our host. Surprisingly, we find a large favorable contribution to stability from a valine (or isoleucine) substitution immediately preceding the C-terminal cysteine of the host peptide, but not at the cross-strand position of the host or in either strand of a folded linear .beta.-hairpin (trpzip peptide). Further substitutions in the peptides and NMR structural anal. indicate that the stabilizing effect of valine is general for CX8C cyclic hairpins and cannot be explained by particular side-chain-side-chain interactions. Instead, a localized decrease in twist of the peptide backbone on the N-terminal side of the cysteine allows the valine side chain to adopt a unique conformation that decreases the solvent accessibility of the peptide backbone. The conformation differs from the highly twisted (coiled) conformation of the trpzip hairpins and is more typical of

conformations present in multistranded .beta.-sheets. This unexpected structural fine-tuning may explain why cyclic hairpins selected from phage-displayed libraries often have valine in the same position, preceding the C-terminal cysteine. It also emphasizes the diversity of structures accessible to .beta.-strands and the importance of considering not only ".beta.-propensity", but also hydrogen-bonding pattern and strand twist, when designing .beta. structures. Finally, we observe correlated, cooperative stabilization from side-chain substitutions on opposite faces of the hairpin. This suggests that cooperative folding in .beta.-hairpins and other small .beta.-structures is driven by cooperative strand-strand assocn.

L7 ANSWER 3 OF 10 CA COPYRIGHT 2003 ACS on STN
TI Identification of essential genes of Aspegillus fumigatus and their use as targets for drug screening
IN Jiang, Bo; Tishkoff, Daniel; Zamudio, Carlos; Eroshkin, Alexey M.; Hu, Wenqi; Lemieux, Sebastien M.
SO PCT Int. Appl., 175 pp.
CODEN: PIXXD2
PY 2002
2002
AB The present invention provides nucleotide sequences, methods and compns. that enable the exptl. detn. as to whether any gene in the genome of Aspergillus fumigatus is essential, and whether that gene is required for virulence or pathogenicity. More than 600 essential genes in A. fumigatus are initially selected by comparison of its genome genome sequence with known essential genes of Candida albicans. The methods involve the construction of genetic mutants in which a target gene is placed under conditional expression. The identification of essential genes and those genes crit. to the development of virulent infections, provides a basis for the development of screens for new drugs against Aspergillus fumigatus. The present invention further provides Aspergillus fumigatus genes that are essential and are potential targets for drug screening. The nucleotide sequence of the target genes can be used for various drug discovery purposes, such as expression of the recombinant protein, hybridization assay, and construction of nucleic acid arrays. The uses of proteins encoded by the essential genes, and genetically engineered cells comprising modified alleles of essential genes in various screening methods are also encompassed by the invention. [This abstr. record is one of two records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

L7 ANSWER 4 OF 10 CA COPYRIGHT 2003 ACS on STN
TI Reagents and kits, such as nucleic acid arrays, for detecting the expression of over 10,000 Drosophila genes
IN Venter, J. Craig; Adams, Mark; Li, Peter W. D.; Myers, Eugene W.
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
PY 2001
2001
2003
AB The present invention is based on the sequencing and assembly of the Drosophila melanogaster genome. The present invention provides the primary nucleotide sequence of a large portion of the Drosophila melanogaster genome in a series of genomic and predicted transcript sequences. This information is provided in the form of genomic, transcript and protein sequence information and can be used to generate nucleic acid detection reagents and kits such as nucleic acid arrays. Primary sequences are provided as contiguous strings in a computer-readable format and recorded on media such as floppy disks, hard disks, magnetic tape, CD-ROM, RAM, ROM and hybrids of these categories. Genes/exons can be predicted, sequences can be edited and homol. searches of target motifs can be conducted. [This abstr. record is one of ten

records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

L7 ANSWER 5 OF 10 CA COPYRIGHT 2003 ACS on STN
TI Cyclized peptides of IgE for allergy immunotherapy
IN Friede, Martin; Mason, Sean; Turnell, William Gordon; Vinals y Bassols, Carlota
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
PY 2002
2002
2003
2003
AB The authors disclose a process for the covalent conjugation of disulfide bridge cyclized peptides to immunogenic carrier mols. by thioether linkages to form vaccine immunogens. In particular, the process involves reacting a thiolated carrier with a maleimide-derivatized cyclic peptide. In one example, the authors prep. immunogens based on peptides derived from the sequence of human IgE. Immunization with the cyclic peptide-carrier protein produced IgG antibodies with the ability to block histamine release by human basophils.

L7 ANSWER 6 OF 10 CA COPYRIGHT 2003 ACS on STN
TI A reversible linkage technology for controlled conjugation
IN Flinn, Nicholas; Johnson, Tony
SO PCT Int. Appl., 48 pp.
CODEN: PIXXD2
PY 2001
2002
AB The present invention describes a linkage for use in the conjugation of compds. (e.g. peptides) to carrier vehicles (e.g. macromols., polymers, dendrimers, proteins etc.), producing constructs of biol. and immunol. relevance. The ability to link an Epitope (such as a peptide) to a carrier (such as a protein) in a controlled and specific manner is of a paramount importance in the development of a potent, pharmaceutically relevant, immunogenic hapten-carrier construct, such as a vaccine. The invention provides a reversible linkage technol. for controlled conjugation of compds. such as peptides or peptidic Epitopes to carriers such as proteins. It utilizes an aryl aldehyde moiety to introduce an aldehyde functionality on to a carrier mol. (e.g. on to the surface of a protein carrier mol.). It uses a 2-hydroxy-4-alkoxy linker based on an aryl aldehyde to provide protection in the conjugation of a peptide to a carrier, by virtue of imine formation.

L7 ANSWER 7 OF 10 CA COPYRIGHT 2003 ACS on STN
TI A Minimal Peptide Scaffold for .beta.-Turn Display: Optimizing a Strand Position in Disulfide-Cyclized .beta.-Hairpins
AU Cochran, Andrea G.; Tong, Ricky T.; Starovasnik, Melissa A.; Park, Eleanor J.; McDowell, Robert S.; Theaker, J. E.; Skelton, Nicholas J.
SO Journal of the American Chemical Society (2001), 123(4), 625-632
CODEN: JACSAT; ISSN: 0002-7863
PY 2001
AB Phage display of peptide libraries has become a powerful tool for the evolution of novel ligands that bind virtually any protein target. However, the rules governing conformational preferences in natural peptides are poorly understood, and consequently, structure-activity relationships in these mols. can be difficult to define. In an effort to simplify this process, we have investigated the structural stability of 10-residue, disulfide-constrained .beta.-hairpins and assessed their suitability as scaffolds for .beta.-turn display. Using disulfide formation as a probe, relative free energies of folding were measured for 19 peptides that differ at a one strand position. A tryptophan substitution promotes folding to a remarkable degree. NMR anal. confirms that the measured energies correlate well with the degree of

.beta.-hairpin structure in the disulfide-cyclized peptides. Reexamn. of a subset of the strand substitutions in peptides with different turn sequences reveals linear free energy relationships, indicating that turns and strand-strand interactions make independent, additive contributions to hairpin stability. Significantly, the tryptophan strand substitution is highly stabilizing with all turns tested, and peptides that display model turns or the less stable C'-C'' turn of CD4 on this tryptophan "stem" are highly structured .beta.-hairpins in water. Thus, we have developed a small, structured .beta.-turn scaffold, contg. only natural L-amino acids, that may be used to display peptide libraries of limited conformational diversity on phage.

L7 ANSWER 8 OF 10 CA COPYRIGHT 2003 ACS on STN
TI Designing Stable .beta.-Hairpins: Energetic Contributions from Cross-Strand Residues
AU Russell, Stephen J.; Cochran, Andrea G.
SO Journal of the American Chemical Society (2000), 122(50), 12600-12601
CODEN: JACSAT; ISSN: 0002-7863
PY 2000
AB The authors investigate the relationship between the two NHB (non-hydrogen-bonded) cross-strand residues. They find that residue preferences for the two structurally inequivalent sites are the same and that specific pair interactions produce only minor deviations from the single site contributions. Accordingly, a tryptophan-tryptophan cross-strand pair is highly stabilizing and appears to be the optimal NHB pair for 3-hairpins.

L7 ANSWER 9 OF 10 CA COPYRIGHT 2003 ACS on STN
TI Epitopes or mimotopes derived from the C.epsilon.2 domain of IgE, antagonists thereof, and their therapeutic uses
IN Dyson, Michael; Friede, Martin; Greenwood, Judith; Hewitt, Ellen; Lamont, Alan; Mason, Sean; Randall, Roger; Turnell, William Gordon; Van Mechelen, Marcelle Paulette; Vinals y De Bassols, Carlota
SO PCT Int. Appl., 129 pp.
CODEN: PIXXD2
PY 2000
2001
2001
2001
2001
AB The present invention relates to the provision of novel medicaments for the treatment, prevention or amelioration of allergic disease. In particular, the novel medicaments are isolated peptides incorporating epitopes or mimotopes of surface exposed regions of the C<e2 domain of IgE. The inventors have found that these novel regions may be the target for both passive and active immunoprophylaxis or immunotherapy. The invention further relates to methods for prodn. of the medicaments, pharmaceutical compns. contg. them and their use in medicine. Also forming an aspect of the present invention are ligands, esp. monoclonal antibodies, which are capable of binding the surface exposed IgE regions of the present invention, and their use in medicine as passive immunotherapy or in immunoprophylaxis.

L7 ANSWER 10 OF 10 CA COPYRIGHT 2003 ACS on STN
TI The genome sequence of Drosophila melanogaster
AU Adams, Mark D.; Celniker, Susan E.; Holt, Robert A.; Evans, Cheryl A.; Gocayne, Jeannine D.; Amanatides, Peter G.; Scherer, Steven E.; Li, Peter W.; Hoskins, Roger A.; Galle, Richard F.; George, Reed A.; Lewis, Suzanna E.; Richards, Stephen; Ashburner, Michael; Henderson, Scott N.; Sutton, Granger G.; Wortman, Jennifer R.; Yandell, Mark D.; Zhang, Qing; Chen, Lin X.; Brandon, Rhonda C.; Rogers, Yu-Hui C.; Blazej, Robert G.; Champe, Mark; Pfeiffer, Barret D.; Wan, Kenneth H.; Doyle, Clare; Baxter, Evan G.; Helt, Gregg; Nelson, Catherine R.; Miklos, George L. Gabor; Abril, Josep F.; Agbayani, Anna; An, Hui-Jin; Andrews-Pfannkoch, Cynthia; Baldwin,

Danita; Ballew, Richard M.; Basu, Anand; Baxendale, James; Bayraktaroglu, Leyla; Beasley, Ellen M.; Beeson, Karen Y.; Benos, P. V.; Berman, Benjamin P.; Bhandari, Deepali; Bolshakov, Slava; Borkova, Dana; Botchan, Michael R.; Bouck, John; Brokstein, Peter; Brottier, Phillipe; Burtis, Kenneth C.; Busam, Dana A.; Butler, Heather; Cadieu, Edouard; Center, Angela; Chandra, Ishwar; Cherry, J. Michael; Cawley, Simon; Dahlke, Carl; Davenport, Lionel B.; Davies, Peter; De Pablos, Beatriz De; Delcher, Arthur; Deng, Zuoming; Mays, Anne Deslattes; Dew, Ian; Dietz, Suzanne M.; Dodson, Kristina; Doup, Lisa E.; Downes, Michael; Dugan-Rocha, Shannon; Dunkov, Boris C.; Dunn, Patrick; Durbin, Kenneth J.; Evangelista, Carlos C.; Ferraz, Concepcion; Ferriera, Steven; Fleischmann, Wolfgang; Foster, Carl; Gabrielian, Andrei E.; Garg, Neha S.; Gelbart, William M.; Glasser, Ken; Glodek, Anna; Gong, Fangcheng; Gorrell, J. Harley; Gu, Zhiping; Guan, Ping; Harris, Michael; Harris, Nomi L.; Harvey, Damon; Heiman, Thomas J.; Hernandez, Judith R.; Houck, Jarrett; Hostin, Damon; Houston, Kathryn A.; Howland, Timothy J.; Wei, Ming-Hui; Ibegwam, Chinyere; Jalali, Mena; Kalush, Francis; Karpen, Gary H.; Ke, Zhaoxi; Kennison, James A.; Ketchum, Karen A.; Kimmel, Bruce E.; Kodira, Chinnappa D.; Kraft, Cheryl; Kravitz, Saul; Kulp, David; Lai, Zhongwu; Lasko, Paul; Lei, Yiding; Levitsky, Alexander A.; Li, Jiayin; Li, Zhenya; Liang, Yong; Lin, Xiaoying; Liu, Xiangjun; Mattei, Bettina; McIntosh, Tina C.; McLeod, Michael P.; McPherson, Duncan; Merkulov, Gennady; Milshina, Natalia V.; Mobarry, Clark; Morris, Joe; Moshrefi, Ali; Mount, Stephen M.; Moy, Mee; Murphy, Brian; Murphy, Lee; Muzny, Donna M.; Nelson, David L.; Nelson, David R.; Nelson, Keith A.; Nixon, Katherine; Nusskern, Deborah R.; Pacleb, Joanne M.; Palazzolo, Michael; Pittman, Gjange S.; Pan, Sue; Pollard, John; Puri, Vinita; Reese, Martin G.; Reinert, Knut; Remington, Karin; Saunders, Robert D. C.; Scheeler, Frederick; Shen, Hua; Shue, Bixiang Christopher; Siden-Kiamos, Inga; Simpson, Michael; Skupski, Marian P.; Smith, Tom; Spier, Eugene; Spradling, Allan C.; Stapleton, Mark; Strong, Renee; Sun, Eric; Svirskas, Robert; Tector, Cyndee; Turner, Russell; Venter, Eli; Wang, Aihui H.; Wang, Xin; Wang, Zhen-Yuan; Wassarman, David A.; Weinstock, George M.; Weissenbach, Jean; Williams, Sherita M.; Woodage, Trevor; Worley, Kim C.; Wu, David; Yang, Song; Yao, Q. Alison; Ye, Jane; Yeh, Ru-Fang; Zaveri, Jayshree S.; Zhan, Ming; Zhang, Guangren; Zhao, Qi; Zheng, Liansheng; Zheng, Xiangqun H.; Zhong, Fei N.; Zhong, Wenyan; Zhou, Xiaojun; Zhu, Shiaoping; Zhu, Xiaohong; Smith, Hamilton O.; Gibbs, Richard A.; Myers, Eugene W.; Rubin, Gerald M.; Venter, J. Craig

SO Science (Washington, D. C.) (2000), 287(5461), 2185-2195
CODEN: SCIEAS; ISSN: 0036-8075

PY 2000

AB The fly Drosophila melanogaster is one of the most intensively studied organisms in biol. and serves as a model system for the investigation of many developmental and cellular processes common to higher eukaryotes, including humans. The nucleotide sequence was detd. of nearly all of the .apprx.120-megabase euchromatic portion of the Drosophila genome using a whole-genome shotgun sequencing strategy supported by extensive clone-based sequence and a high-quality bacterial artificial chromosome phys. map. Efforts are under way to close the remaining gaps; however, the sequence is of sufficient accuracy and contiguity to be declared substantially complete and to support an initial anal. of genome structure and preliminary gene annotation and interpretation. The genome encodes .apprx.13,600 genes, somewhat fewer than the smaller Caenorhabditis elegans genome, but with comparable functional diversity. Access to supporting information on each gene is available through FlyBase at http://flybase.bio.indiana.edu and through Celera at www.celera.com; the sequences are deposited in GenBank with Accession Nos. AE002566-AE003403. [This abstr. record is one of 4 records for this document necessitated by the large no. of index entries required to fully index the document and publication system constraints.].

=> d 17 1-10

L7 ANSWER 1 OF 10 CA COPYRIGHT 2003 ACS on STN
AN 138:199732 CA
TI A Drosophila full-length cDNA resource
AU Stapleton, Mark; Carlson, Joe; Brokstein, Peter; Yu, Charles; Champe, Mark; George, Reed; Guarin, Hannibal; Kronmiller, Brent; Pacleb, Joanne; Park, Soo; Wan, Ken; Rubin, Gerald M.; Celniker, Susan E.
CS Berkeley Drosophila Genome Project, Lawrence Berkeley National Lab., Berkeley, CA, 94720, USA
SO GenomeBiology (2002), 3(12), No pp. given
CODEN: GNBLFW; ISSN: 1465-6914
URL: http://genomebiology.com/content/pdf/gb-2002-3-12-research0080.pdf
PB BioMed Central Ltd.
DT Journal; (online computer file)
LA English
RE.CNT 39 THERE ARE 39 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 2 OF 10 CA COPYRIGHT 2003 ACS on STN
AN 138:165433 CA
TI Stability of Cyclic .beta.-Hairpins: Asymmetric Contributions from Side Chains of a Hydrogen-Bonded Cross-Strand Residue Pair
AU Russell, Stephen J.; Blandl, Tamas; Skelton, Nicholas J.; Cochran, Andrea G.
CS Department of Protein Engineering, Genentech Inc., South San Francisco, CA, 94080, USA
SO Journal of the American Chemical Society (2003), 125(2), 388-395
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
RE.CNT 58 THERE ARE 58 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 3 OF 10 CA COPYRIGHT 2003 ACS on STN
AN 137:380973 CA
TI Identification of essential genes of Aspegillus fumigatus and their use as targets for drug screening
IN Jiang, Bo; Tishkoff, Daniel; Zamudio, Carlos; Eroshkin, Alexey M.; Hu, Wenqi; Lemieux, Sebastien M.
PA Elitra Pharmaceuticals, Inc., USA
SO PCT Int. Appl., 175 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 2

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002086090	A2	20021031	WO 2002-XA13142	20020423

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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

WO 2002086090	A2	20021031	WO 2002-US13142	20020423

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ,

UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
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PRAI US 2001-285697P P 20010423
US 2001-287066P P 20010427
US 2001-295890P P 20010605
US 2001-303899P P 20010709
US 2001-316362P P 20010831
WO 2002-US13142 A 20020423

L7 ANSWER 4 OF 10 CA COPYRIGHT 2003 ACS on STN
AN 136:396927 CA
TI Reagents and kits, such as nucleic acid arrays, for detecting the expression of over 10,000 Drosophila genes
IN Venter, J. Craig; Adams, Mark; Li, Peter W. D.; Myers, Eugene W.
PA PE Corporation (NY), USA
SO PCT Int. Appl., 21 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 10

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2001071042	A2	20010927	WO 2001-XB9231	20010323
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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WO 2001071042	A2	20010927	WO 2001-US9231	20010323
WO 2001071042	A3	20030313		
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PRAI US 2000-191637P P 20000323
US 2000-614150 A 20000711
WO 2001-US9231 A 20010323

L7 ANSWER 5 OF 10 CA COPYRIGHT 2003 ACS on STN
AN 136:215424 CA
TI Cyclized peptides of IgE for allergy immunotherapy
IN Friede, Martin; Mason, Sean; Turnell, William Gordon; Vinals y Bassols, Carlota
PA Smithkline Beecham Biologicals S.A., Belg.; Peptide Therapeutics Limited
SO PCT Int. Appl., 45 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 1

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI WO 2002016409	A2	20020228	WO 2001-EP9576	20010817

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             RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ,
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             BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG
     AU 2002014951     A5   20020304       AU 2002-14951    20010817
     EP 1311536        A2   20030521       EP 2001-983441   20010817
         R:  AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT,
             IE, SI, LT, LV, FI, RO, MK, CY, AL, TR
     NO 2003000822     A    20030331       NO 2003-822      20030221
PRAI GB 2000-20717     A    20000822
     WO 2001-EP9576    W    20010817
OS   MARPAT 136:215424

L7   ANSWER 6 OF 10  CA  COPYRIGHT 2003 ACS on STN
AN   135:66204  CA
TI   A reversible linkage technology for controlled conjugation
IN   Flinn, Nicholas; Johnson, Tony
PA   Acambis Research Ltd., UK; Smithkline Beecham Biologicals S.A.
SO   PCT Int. Appl., 48 pp.
     CODEN: PIXXD2
DT   Patent
LA   English
FAN.CNT 1
     PATENT NO.        KIND  DATE           APPLICATION NO.  DATE
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PI   WO 2001045745     A2    20010628       WO 2000-GB4935   20001221
     WO 2001045745     A3    20020510
         W:  AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN,
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             HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT,
             LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU,
             SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN,
             YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
         RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY,
             DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF,
             BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG
PRAI GB 1999-30233     A    19991221
     GB 2000-4096      A    20000222
     GB 2000-20707     A    20000822
     GB 2000-20708     A    20000822
OS   MARPAT 135:66204

L7   ANSWER 7 OF 10  CA  COPYRIGHT 2003 ACS on STN
AN   134:204002  CA
TI   A Minimal Peptide Scaffold for .beta.-Turn Display: Optimizing a Strand
     Position in Disulfide-Cyclized .beta.-Hairpins
AU   Cochran, Andrea G.; Tong, Ricky T.; Starovasnik, Melissa A.; Park, Eleanor
     J.; McDowell, Robert S.; Theaker, J. E.; Skelton, Nicholas J.
CS   Departments of Protein Engineering and Bioorganic Chemistry, Genentech
     Inc., South San Francisco, CA, 94080, USA
SO   Journal of the American Chemical Society (2001), 123(4), 625-632
     CODEN: JACSAT; ISSN: 0002-7863
PB   American Chemical Society
DT   Journal
LA   English
RE.CNT  61    THERE ARE 61 CITED REFERENCES AVAILABLE FOR THIS RECORD
              ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7   ANSWER 8 OF 10  CA  COPYRIGHT 2003 ACS on STN
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AN 134:127518 CA
TI Designing Stable .beta.-Hairpins: Energetic Contributions from Cross-Strand Residues
AU Russell, Stephen J.; Cochran, Andrea G.
CS Department of Protein Engineering, Genentech Inc., South San Francisco, CA, 94080, USA
SO Journal of the American Chemical Society (2000), 122(50), 12600-12601
CODEN: JACSAT; ISSN: 0002-7863
PB American Chemical Society
DT Journal
LA English
RE.CNT 23 THERE ARE 23 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 9 OF 10 CA COPYRIGHT 2003 ACS on STN
AN 133:206771 CA
TI Epitopes or mimotopes derived from the C.epsilon.2 domain of IgE, antagonists thereof, and their therapeutic uses
IN Dyson, Michael; Friede, Martin; Greenwood, Judith; Hewitt, Ellen; Lamont, Alan; Mason, Sean; Randall, Roger; Turnell, William Gordon; Van Mechelen, Marcelle Paulette; Vinals y De Bassols, Carlota
PA Smithkline Beecham Biologicals S.A., Belg.; Peptide Therapeutics Limited
SO PCT Int. Appl., 129 pp.
CODEN: PIXXD2
DT Patent
LA English
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	WO 2000050460	A1	20000831	WO 2000-EP1455	20000222
	W: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM				
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	NZ 513679	A	20010928	NZ 2000-513679	20000222
	EP 1155037	A1	20011121	EP 2000-905073	20000222
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
	BR 2000008963	A	20011127	BR 2000-8963	20000222
	NO 2001004130	A	20010913	NO 2001-4130	20010824
PRAI	GB 1999-4405	A	19990225		
	GB 1999-7151	A	19990329		
	GB 1999-10537	A	19990507		
	GB 1999-10538	A	19990507		
	GB 1999-18594	A	19990807		
	GB 1999-18603	A	19990807		
	GB 1999-21046	A	19990907		
	GB 1999-21047	A	19990907		
	GB 1999-25619	A	19991029		
	GB 1999-27698	A	19991123		
	WO 2000-EP1455	W	20000222		

RE.CNT 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L7 ANSWER 10 OF 10 CA COPYRIGHT 2003 ACS on STN
AN 132:275066 CA
TI The genome sequence of Drosophila melanogaster
AU Adams, Mark D.; Celniker, Susan E.; Holt, Robert A.; Evans, Cheryl A.; Gocayne, Jeannine D.; Amanatides, Peter G.; Scherer, Steven E.; Li, Peter

W.; Hoskins, Roger A.; Galle, Richard F.; George, Reed A.; Lewis, Suzanna E.; Richards, Stephen; Ashburner, Michael; Henderson, Scott N.; Sutton, Granger G.; Wortman, Jennifer R.; Yandell, Mark D.; Zhang, Qing; Chen, Lin X.; Brandon, Rhonda C.; Rogers, Yu-Hui C.; Blazej, Robert G.; Champe, Mark; Pfeiffer, Barret D.; Wan, Kenneth H.; Doyle, Clare; Baxter, Evan G.; Helt, Gregg; Nelson, Catherine R.; Miklos, George L. Gabor; Abril, Josep F.; Agbayani, Anna; An, Hui-Jin; Andrews-Pfannkoch, Cynthia; Baldwin, Danita; Ballew, Richard M.; Basu, Anand; Baxendale, James; Bayraktaroglu, Leyla; Beasley, Ellen M.; Beeson, Karen Y.; Benos, P. V.; Berman, Benjamin P.; Bhandari, Deepali; Bolshakov, Slava; Borkova, Dana; Botchan, Michael R.; Bouck, John; Brokstein, Peter; Brottier, Phillipe; Burtis, Kenneth C.; Busam, Dana A.; Butler, Heather; Cadieu, Edouard; Center, Angela; Chandra, Ishwar; Cherry, J. Michael; Cawley, Simon; Dahlke, Carl; Davenport, Lionel B.; Davies, Peter; De Pablos, Beatriz De; Delcher, Arthur; Deng, Zuoming; Mays, Anne Deslattes; Dew, Ian; Dietz, Suzanne M.; Dodson, Kristina; Doup, Lisa E.; Downes, Michael; Dugan-Rocha, Shannon; Dunkov, Boris C.; Dunn, Patrick; Durbin, Kenneth J.; Evangelista, Carlos C.; Ferraz, Concepcion; Ferriera, Steven; Fleischmann, Wolfgang; Foster, Carl; Gabrielian, Andrei E.; Garg, Neha S.; Gelbart, William M.; Glasser, Ken; Glodek, Anna; Gong, Fangcheng; Gorrell, J. Harley; Gu, Zhiping; Guan, Ping; Harris, Michael; Harris, Nomi L.; Harvey, Damon; Heiman, Thomas J.; Hernandez, Judith R.; Houck, Jarrett; Hostin, Damon; Houston, Kathryn A.; Howland, Timothy J.; Wei, Ming-Hui; Ibegwam, Chinyere; Jalali, Mena; Kalush, Francis; Karpen, Gary H.; Ke, Zhaoxi; Kennison, James A.; Ketchum, Karen A.; Kimmel, Bruce E.; Kodira, Chinnappa D.; Kraft, Cheryl; Kravitz, Saul; Kulp, David; Lai, Zhongwu; Lasko, Paul; Lei, Yiding; Levitsky, Alexander A.; Li, Jiayin; Li, Zhenya; Liang, Yong; Lin, Xiaoying; Liu, Xiangjun; Mattei, Bettina; McIntosh, Tina C.; McLeod, Michael P.; McPherson, Duncan; Merkulov, Gennady; Milshina, Natalia V.; Mobarry, Clark; Morris, Joe; Moshrefi, Ali; Mount, Stephen M.; Moy, Mee; Murphy, Brian; Murphy, Lee; Muzny, Donna M.; Nelson, David L.; Nelson, David R.; Nelson, Keith A.; Nixon, Katherine; Nusskern, Deborah R.; Pacleb, Joanne M.; Palazzolo, Michael; Pittman, Gjange S.; Pan, Sue; Pollard, John; Puri, Vinita; Reese, Martin G.; Reinert, Knut; Remington, Karin; Saunders, Robert D. C.; Scheeler, Frederick; Shen, Hua; Shue, Bixiang Christopher; Siden-Kiamos, Inga; Simpson, Michael; Skupski, Marian P.; Smith, Tom; Spier, Eugene; Spradling, Allan C.; Stapleton, Mark; Strong, Renee; Sun, Eric; Svirskas, Robert; Tector, Cyndee; Turner, Russell; Venter, Eli; Wang, Aihui H.; Wang, Xin; Wang, Zhen-Yuan; Wassarman, David A.; Weinstock, George M.; Weissenbach, Jean; Williams, Sherita M.; Woodage, Trevor; Worley, Kim C.; Wu, David; Yang, Song; Yao, Q. Alison; Ye, Jane; Yeh, Ru-Fang; Zaveri, Jayshree S.; Zhan, Ming; Zhang, Guangren; Zhao, Qi; Zheng, Liansheng; Zheng, Xiangqun H.; Zhong, Fei N.; Zhong, Wenyan; Zhou, Xiaojun; Zhu, Shiaoping; Zhu, Xiaohong; Smith, Hamilton O.; Gibbs, Richard A.; Myers, Eugene W.; Rubin, Gerald M.; Venter, J. Craig

CS Celera Genomics, Rockville, MD, 20850, USA

SO Science (Washington, D. C.) (2000), 287(5461), 2185-2195
CODEN: SCIEAS; ISSN: 0036-8075

PB American Association for the Advancement of Science

DT Journal

LA English